

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-14. (Canceled)

15. (Currently Amended) A heat exchanger comprising:

several tray-shaped plates, which are placed on top of one another, are sealed together on their peripheral edges, and are provided with passages,

wherein two continuous flow channels are each formed from the passages that lie essentially above one another;

wherein each flow channel traverses the plates;

wherein the two flow channels are traversed by different media from a single admission side to a single discharge side;

wherein each flow channel has essentially elongate cross sections at the admission and discharge sides, each having a length L, a width B, and a length to width ratio L/B of between 1.5 and 3; ~~and~~

wherein the admission and discharge sides of the two flow channels are arranged in a 2 x 2 array with no further flow channels therebetween; and

wherein the length L is between 15 mm and 25 mm.

16. (Previously Presented) The heat exchanger as claimed in claim 15, wherein each elongate cross section is an oval or rectangular cross section.

17. (Previously Presented) The heat exchanger as claimed in claim 15, wherein the two flow channels have different cross-sectional shapes.

18. - 19. (Canceled)

20. (Currently Amended) A heat exchanger as claimed in claim 15, wherein the heat exchanger is further comprising a stacked-plate cooler for a vehicle.

21. (Previously Presented) A heat exchanger as claimed in claim 15, wherein each individual plate comprises passages which have the essentially elongate cross section.

22. - 23. (Canceled)

24. (Previously Presented) The heat exchanger as claimed in claim 21, wherein each elongate cross section is a rectangular or oval cross section.

25. - 26. (Canceled)

27. (Previously Presented) The heat exchanger as claimed in claim 21, wherein different passages have different cross-sectional shapes.

28. (Previously Presented) The heat exchanger as claimed in claim 27, wherein said different passages comprise adjacent passages.

29. - 30. (Canceled)

31. (Currently Amended) A plate for a heat exchanger, comprising:
two passages,
wherein the two passages comprises parts of separate flow passages in the heat exchanger that are traversed by different media;
wherein each passage has a single admission side and a single discharge side;
wherein each passage has essentially elongate cross sections ~~cross-sections~~ at its respective admission and discharge sides;
wherein the elongate cross sections each has a length L, a width B, and a length to width ratio L/B of between 1.5 and 3; and
wherein the admission and discharge sides of the two passages are arranged in a 2 x 2 array with no further flow channels therebetween; and
wherein the length L is between 15 mm and 25 mm.

32. (New) A heat exchanger as claimed in claim 15, further comprising a connector element for connecting at least one flow channel to a fluid line, wherein the connector element has the elongate cross section on one side and a round cross section on another side.